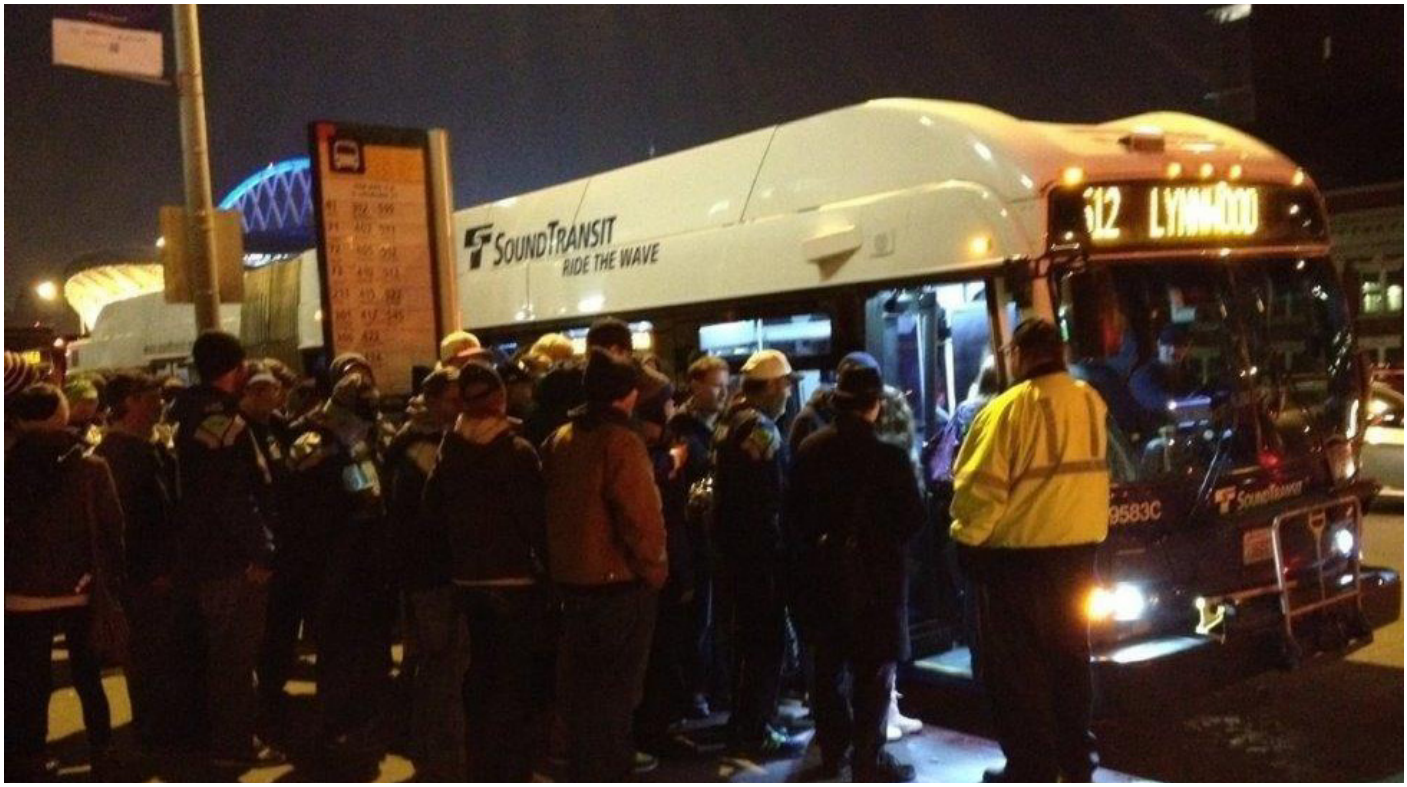
Progress Report
Regional Express Programs



Regional Express bus taking the Seahawks fans to the game.

December | 2013

SOUNDTRANSIT

Prepared by Project Control | Design, Engineering & Construction Management

Sound Transit Regional Express

Program Summary

Scope: The Regional Express program is comprised of 45 capital projects including direct-access ramps to the existing freeway High Occupancy Vehicle (HOV) system, park-and-ride lots, HOV improvements to arterials, transit centers, and freeway in-line transit stations. Freeway improvements are being implemented through a partnership with the Washington State Department of Transportation (WSDOT). Sound Transit has also partnered with local jurisdictions to improve transit infrastructure.

Program Budget (2013): $491 million

Schedule: Regional Express Bus Service is fully operational throughout the service area.

In Service: 17 HOV and Direct Access projects
13 Transit Center projects
7 Park-and-Ride projects
4 Freeway Station projects

Program Overview

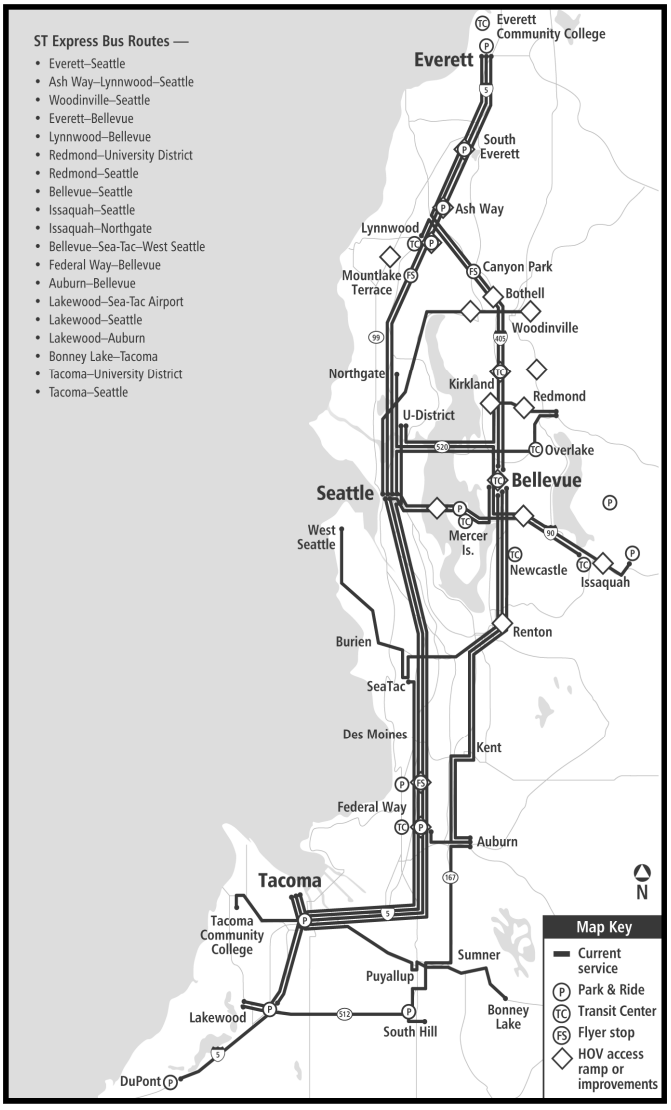
East King County: Projects include 16 HOV and direct access projects, 7 transit centers, 3 park-and-ride lots, and 4 freeway station projects. There are 25 Regional Express projects in service in East King County. Three projects led by local jurisdictions and financially supported by Sound Transit (85th Corridor – Kirkland, Rainier Avenue Arterial Improvements, and Strander Blvd. Extension - Renton) are in construction. The remaining Sound Transit led project, I-90 Two-Way Transit and HOV Operations, Stage 3, is in final design and is expected to be baselined in early 2014.

Pierce County: Projects include 1 transit center and 2 park-and-ride lots. All Regional Express projects in Pierce County have been completed.

Snohomish County: Projects include 4 HOV and direct-access projects, 2 transit centers, 1 park-and-ride lot, and 2 freeway station projects. All Regional Express projects in Snohomish County have been completed.

South King County: Projects include 1 HOV and direct-access project, 2 transit centers and 1 park-and-ride lot. All Regional Express projects in South King County have been completed.

System Wide: With the passage of ST2, voters approved the development of bus maintenance facilities to support the ST Express bus program. Initial project development activities including confirmation of fleet operating assumptions, facilities and site programming evaluations and review of alternative project delivery methods have been completed. Alternative site identification, site evaluations and environmental analysis are being initiated.



ST Express Routes

Key Program Issues

- Design continues on the I-90 Two-Way Transit and HOV Operations Stage 3 project. The project is scheduled to be baselined in 2014; a budget amendment will be required to complete construction. In addition, completion of this project on schedule is required for meeting schedule commitments established for the East Link Extension.

Program Cost Summary

Program cost information by project phase is summarized below. Lifetime budgets reflect the Adopted 2013 phase level budgets; for ST2 projects, the lifetime budget includes funding only for project phases that have been approved by the Board of Directors. For example, the ST Express Bus Base project is funded only through preliminary engineering; approval for final design and construction budgets will be requested upon completion of preliminary engineering and refinement of cost estimates.

Phase	Lifetime Budget*	Commitment to Date	Incurred to Date
Administration	$ 28,124	$ 23,855	$ 24,048
Preliminary Engineering	$ 38,676	$ 36,677	$ -
Final Design	$ 54,583	$ 47,978	$ 50,412
Third Party Agreements	$ 14,730	$ 14,730	$ 577
ROW Acquisition & Permits	$ 17,580	$ 17,379	$ 41,735
Construction	$ 274,657	$ 273,351	$ 43,492
Construction Management Services	$ 37,090	$ -	$ 52,314
Vehicles	$ 25,761	$ -	$ 59,864
Start-up & Testing	$ -	$ -	$ -
Contingency	$ -	$ -	$ -
Program Total	**$ 491,202**	**$ 413,970**	**$ 272,442**

*Excludes closed projects; for ST2 projects budget represents approved phases only.

Sound Transit Board Action

Board Action	Description	Date
	None to report this period	

Construction Safety

Other than projects being completed by local jurisdictions, there are currently no on-going Regional Express construction activities.

Third-Party Agreements

No third-party agreements were executed during the 4th Quarter 2013.

Quality Assurance

Quality Assurance continues to support the Regional Express program through review of design and construction documents and periodic audits of projects in design, construction and operations. During this quarter there were no audits, surveillances or reporting.

Description	4th Quarter 2013	Notes
Audits/Surveillances Performed	0 Audits 0 Surveillances	None
Audits/Surveillances Reports Issued	0 Reports	None
Reports in Progress	0 Reports	None

Regional Express
I-90 Two-Way Transit and HOV Operations (Stage3)

Scope Overview

Stage 3 provides for two-way transit and HOV operations eastbound and westbound on I-90 between 80th Avenue SE on Mercer Island and Rainier Avenue/I-5 in Seattle. This stage will also include the installation of screening on the shared use pathway on the I-90 floating ridge. Following completion Stage 3 project, the center roadway will be closed to allow the construction of East Link Extension.

Stage 3 will enhance transit on I-90

Schedule

	Start	Finish
Prelim Engineering	2004	Jun 2010
Final Design	Jun 2010	May 2014
Construction	Sep 2014	Sep 2016

Scope/Schedule/Budget Variance

None to report at this time

Project Cost ($s in thousands)

Phase	Adopted Lifetime Budget	Commitment to Date	Incurred to Date
Administration	$3,385	$247	$247
Preliminary Engineering	$1,549	$1,549	$1,549
Final Design	$23,000	$16,400	$9,398
Third Party Agreements	$0	$0	$0
ROW Acquisition and Permits	$0	$0	$0
Construction	$0	$0	$0
Construction Services	$0	$0	$0
Contingency	$36,288	$0	$0
Project Total	**$64,222**	**$18,196**	**$11,194**

Major Contracts

($s in thousands)

Vendor	Amount	Scope
WSDOT	$16,400	FD

Key Activities

Current Quarter

- Submitted 90% design.
- Hired independent review team to review the cost estimate, schedule, risk, and constructability of the project.
- Preparing for the 100% submittal.

Next Quarter

- Review the 100% design submittal.
- Conduct the 3rd and final live fire tunnel test to finalize the selection of the fire detection system.
- Seek Sound Transit Board approval of scope, schedule, and budget.

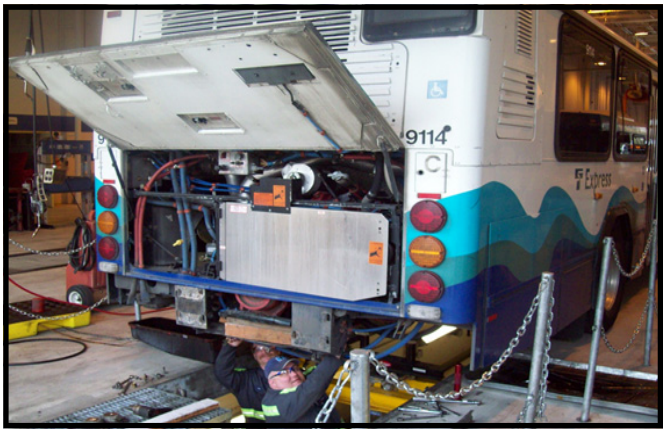
Closely Monitored Issues

- Design/construction costs relative to available budget.
- Structural vibration analysis at Mercer Island LID.
- Finalize selection of preferred fire/smoke detection system.
- Schedule coordination with East Link Extension.

Regional Express
ST Express Bus Base

Scope Overview

Sound Transit is evaluating the need for an operations and maintenance base for the ST Express bus fleet. Initial project development activities including confirmation of fleet operating assumptions, facilities and site programming evaluations and review of alternative project delivery methods have been completed. Alternative site identification, site evaluations and environmental analysis activities are being initiated.



ST Express bus maintenance currently performed by transit partners

Schedule

	Start	Finish
Project Develop	Feb 2011	Dec 2012
Prelim Engineering	Apr 2014	TBD
Final Design	TBD	TBD
Construction	TBD	TBD

Scope/Schedule/Budget Variance

None to report at this time.

Major Contracts ($s in thousands)

Vendor	Amount	Scope
Parsons Brinckerhoff	$2,752	PE/ED

Project Cost ($s in thousands)

Phase	Adopted Lifetime Budget	Commitment to Date	Incurred to Date
Administration	$505	$300	$300
Preliminary Engineering	$4,763	$2,752	$766
Final Design	$0	$0	$0
Third Party Agreements	$0	$0	$0
ROW Acquisition and Permits	$201	$27	$4
Construction	$0	$0	$0
Construction Services	$0	$0	$0
Contingency	$0	$0	$0
Project Total	**$5,469**	**$3,079**	**$1,070**

Key Activities

Current Quarter

- Began interfacing with potentially impacted jurisdictions.
- Distributed Site Identification and Evaluation report to potentially impacted jurisdictions for comments.

Next Quarter

- Evaluate potential sites identified through comments from affected jurisdictions.
- Continue coordination with potentially impacted jurisdictions.

Closely Monitored Issues

- Additional work requires Board approval.

Regional Express
ST Express Midday Bus Storage

Scope Overview

To improve operational efficiencies, Sound Transit stores up to 30 forty-five foot buses providing peak commuter service to downtown Seattle from remote areas of the Sound Transit District at the Link Operations and Maintenance Facility (OMF) parking area midday, during periods of non-use. Upon testing and start-up of the University Link Extension (2014-2016) the area used for bus storage will be needed for Link employee parking. Sound Transit is developing plans for and will construct a permanent midday bus storage area on property Sound Transit acquired during the construction of Central Link..

Aerial view permanent midday bus storage site for ST Express

Schedule

	Start	Finish
Prelim Engineering	Mar 2012	Dec 2012
Final Design	Jan 2013	Jun 2014
Construction	Jul 2014	Dec 2014

Scope/Schedule/Budget Variance

None to report at this time.

Project Cost ($s in thousands)

Phase	Adopted Lifetime Budget	Commitment to Date	Incurred to Date
Administration	$97	$96	$94
Preliminary Engineering	$240	$238	$229
Final Design	$410	$379	$253
Third Party Agreements	$0	$0	$0
ROW Acquisition and Permits	$30	$2	$1
Construction	$0	$0	$0
Construction Services	$0	$0	$0
Contingency	$0	$0	$0
Project Total	**$777**	**$715**	**$577**

Major Contracts ($s in thousands)

Vendor	Amount	Scope
Parson Brinckerhoff	$340	PE/FD

Key Activities

Current Quarter

- Continued final design and permitting.

Next Quarter

- Receive 90% and 100% design and specifications submittals.
- Develop construction cost estimate and project baseline.
- Continue permitting activities.

Closely Monitored Issues

- Coordination of permitting with the City of Seattle.